

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A distributed system having a client and a server, comprising:
a state manager interposed between the client and a service component, the state manager having a capability to generate a list of a plurality of data attributes required to represent a state of an application in the distributed system, request the service component to obtain the plurality of data attributes on the list, and cache the plurality of data attributes such that the plurality of data attributes are locally accessible to the client; and
the service component interposed between the state manager and the server, the service component having a capability to fetch the plurality of data attributes from the server based on the list,
wherein the cache comprises a plurality of proxies, and
wherein each of the plurality of attributes is stored in one the plurality of proxies.
2. (Previously Presented) The distributed system of claim 1, further comprising a transport mechanism interposed between the state manager and the service component, the transport mechanism having a capability to package the plurality of data attributes for transport between the state manager and the service component.
3. (Previously Presented) The distributed system of claim 1, wherein the state manager comprises means for learning the plurality of data attributes required to represent the state of the distributed system.
4. (Cancelled)
5. (Cancelled)
6. (Currently Amended) The distributed system of claim ~~[[5]]~~ 1, wherein the state manager further comprises means for generating a list of the plurality data attributes that have changed in the plurality of prox[[y]]ies.

7. (Currently Amended) The distributed system of claim 6, wherein the service component comprises means for updating data using the list of the plurality of data attributes changed in the plurality of prox[[y]]ies.
8. (Original) The distributed system of claim 1, wherein the state manager further comprises means for generating an executable instruction comprising a set of method calls to be executed on the server.
9. (Original) The distributed system of claim 8, wherein the service component comprises means for interpreting the executable instruction.
10. (Cancelled)
11. (Currently Amended) A distributed performance optimizer for a distributed application, comprising:
a client portion operatively connected to a client configured to generate a list of a plurality of data attributes required to represent a state of the distributed application, request the server portion to obtain the plurality of data attributes on the list, and cache the plurality of attributes; and
the server portion operatively connected to a server configured to fetch the plurality of data attributes from the server based on the list,
wherein the client portion is interposed between the client and the server portion, and
wherein the server portion is interposed between the client portion and the server,
wherein the cache comprises a plurality of proxies, and
wherein each of the plurality of attributes is stored in one the plurality of proxies.
12. (Previously Presented) The distributed performance optimizer of claim 11, further comprising a transport means that packages the plurality of data attributes for transport between the server portion and the client portion.
13. (Cancelled)

14. (Currently Amended) The distributed performance optimizer of claim [[13]] 11, wherein the client portion further comprises means for tracking changes made to the plurality of data attributes cached in the plurality of proxies.
15. (Currently Amended) The distributed performance optimizer of claim 14, wherein the service component comprises means for synchronizing the plurality of data attributes cached in the plurality of proxies.
16. (Currently Amended) The distributed performance optimizer of claim 12, wherein the client portion further comprises means for collecting information about the plurality of data attributes accessed in the plurality of proxies.
17. (Original) The distributed performance optimizer of claim 12, wherein the client portion further comprises means for generating an executable instruction comprising a set of method calls to be executed on the server.
18. (Original) The distributed performance optimizer of claim 17, wherein the service portion comprises means for invoking the executable instruction.
19. - 37. (Canceled)
38. (Previously Presented) The distributed system of claim 3, wherein the state manager comprises means for prefetching the plurality of data attributed based on learning which of data attributes are used to represent the state.